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(54) **A SYSTEM AND METHOD FOR MIXED REALITY**

(57) A mixed reality system, comprising: a data acquisition device configured to acquire real-world data; an output device for providing the real-world data to a user; and a processing circuitry configured to: obtain (a) data acquired by the data acquisition device, and (b) information of one or more virtual entities having properties

enabling determination of simulated effects of the virtual entities on the data; determine the simulated effects of the virtual entities on the data utilizing the properties; and provide the user with output on the output device being a manipulation of the data reflecting the simulated effects.

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	<p>LOSCOS C. ET AL: "Interactive virtual relighting of real scenes", IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS</p> <p>,</p> <p>vol. 6, no. 4</p> <p>1 January 2000 (2000-01-01), pages 289-305, XP093093071, USA</p> <p>ISSN: 1077-2626, DOI: 10.1109/2945.895874</p> <p>Retrieved from the Internet:</p> <p>URL:https://inria.hal.science/inria-00527523/document</p> <p>* abstract *</p> <p>* section 3;</p> <p>figure 1 *</p>	1-11	<p>INV.</p> <p>G06T19/00</p> <p>G06T15/50</p>
X	<p>ERICKSON AUSTIN ET AL: "Is It Cold in Here or Is It Just Me? Analysis of Augmented Reality Temperature Visualization for Computer-Mediated Thermoception",</p> <p>2019 IEEE INTERNATIONAL SYMPOSIUM ON MIXED AND AUGMENTED REALITY (ISMAR), IEEE, 14 October 2019 (2019-10-14), pages 202-211, XP033681405, DOI: 10.1109/ISMAR.2019.000-2</p> <p>* abstract; figure 3 *</p> <p>* section 3.4 *</p>	1-11	<p>TECHNICAL FIELDS SEARCHED (IPC)</p> <p>G06T</p>
A	<p>LAHOUD FAYEZ ET AL: "Ar in VR: Simulating Infrared Augmented Vision",</p> <p>2018 25TH IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP), IEEE, 7 October 2018 (2018-10-07), pages 3893-3897, XP033455379, DOI: 10.1109/ICIP.2018.8451811</p> <p>* abstract *</p>	1-11	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Berlin		2 April 2025	Gao, Miao
CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>	
<p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p>			

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	RYAN BANE ET AL: "Interactive Tools for Virtual X-Ray Vision in Mobile Augmented Reality", PROCEEDINGS OF THE THIRD IEEE AND ACM INTERNATIONAL SYMPOSIUM ON MIXED AND AUGMENTED REALITY, NOV. 2 - 5, ARLINGTON, VA, USA, IEEE, PISCATAWAY, NJ, USA, 2 November 2004 (2004-11-02), pages 231-239, XP058382688, DOI: 10.1109/ISMAR.2004.36 ISBN: 978-0-7695-2191-6 * abstract; figures 1,4 * -----	1-11	
			TECHNICAL FIELDS SEARCHED (IPC)
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